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IV-17

ENROLLMENT AND ENROLLMENT PROJECTIONS

UNIVERSITY OF WISCONSIN-MILWAUKEE

L. J. Lins

Institutional Studies
The University of Wisconsin
August, 1959

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INTRODUCTION

The problem undertaken in this report is that of estimating future enrollments at the University of Wisconsin-Milwaukee in order to provide a more adequate basis for educational planning. In general, the enrollments in institutions of higher education depend upon the power of initial attraction of students from a pool of educationally qualified individuals and upon the desire and ability of those students to continue their study.

The enrollment of each institution is affected by factors common to all institutions and by other factors characteristic probably only to the institution in question. All institutions of higher education draw their students initially from a group of high school graduates. Each institution is affected by the rate of high school graduation within the population from which it draws its students and by the rate of college attendance of the high school graduates. Each institution may have a characteristic service area and rate of attrition.

In computing, as well as in evaluating enrollment forecasts, it is essential to recognize that any kind of prediction or forecast is based upon certain assumptions. Unless there is a clear and well thought out formulation of assumptions, forecasting may be merely guesswork and speculation.

A forecast, in addition to being based upon realistically conceived assumptions related to social, economic, and political factors during the forecast period, requires a large amount of detailed, reliable, and relevant statistical and other data as well as a, or set of, logically integrated analytical techniques.

The University of Wisconsin-Milwaukee, resulting from the merger of the University Extension Center, Milwaukee, and the Milwaukee State College, dates to the 1956-57 year. The history of enrollments, therefore, for the purpose of establishing trend lines is not only short but also subject to variation due to such factors as prospective students questioning whether or not the new institution would fulfil the mission of either of the two prior institutions, whether or not the potential students would feel that the new institution compares in status to other universities, whether or not the new institution would attract only students within commuting distance, how rapidly new and diversified programs might be developed, and how the new institution might affect or be affected by the drawing and holding power of the other institutions in the area.

The primary concern of this report will be with the enrollment and projection of enrollment of what is now classified as day students. This is true since the immediate purpose is to provide information helpful in making decisions on building and campus site needs. It should be kept in mind, however, that the evening credit and non-credit programs are an integral part of the institutional service and that the graduate program, though the students are enumerated in enrollment reports for the Madison campus, is not only a service of the institution but also a program perhaps calling for a different type of physical facility than is true of the undergraduate.

Though there will be specific assumptions associated with each enrollment projection and discussed in the section on enrollment projections, it is assumed generally for the purpose of making projections of day undergraduate enrollments that:

1. The drawing power of the institution will be limited primarily to students within commuting distance. This is in keeping with the statement of "Principles and Policies" developed as the underlying philosophy of and guide to the development of a single state-supported institution of higher education in Milwaukee operating as an integral part of The University of Wisconsin. This statement, in part, reads:

> "In planning the educational program of the Milwaukee unit as well as providing for the social life of the students, it should be remembered that this unit will be primarily for students who live at home within commuting distance of the institution."[1]

2. The primary service area will continue to be Milwaukee County. Of the new freshmen, first semester 1958-59, 82.5 per cent lived in Milwaukee County at the time of registration and 83.7 per cent were graduates from Milwaukee County high schools as compared with 61.0 per cent who were graduated from Milwaukee city high schools.

3. The new freshman group will be made up of 17, 18, and 19 year olds in the same proportion as was true of the September 1958 entering class. Of the new freshmen in September, 1958, 89.1 per cent were 17, 18, or 19 years of age; of the 17, 18, and 19 year olds, 7.5 per cent were 17 years of age, 77.5 per cent were 18 years of age, and 15.0 per cent were 19 years of age.

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[1] "Summary Report of the Actions Leading to the Establishment of the University of Wisconsin-Milwaukee", January, 1957, p. 11.

4. The retention rate and transfer rate from class to class will remain the same as the average retention rate for the years 1956-57, 1957-58, and 1958-59; that is, other freshmen to new freshmen previous year (40.34 per cent), sophomores to total freshmen previous year (67.43 per cent), juniors to total sophomores previous year (59.00 per cent), seniors to total juniors previous year (99.41 per cent), and specials to total classified enrollment for year in question (2.22 per cent).

5. The present programs will continue in about the same ratio as at present; a Graduate School or professional schools will not be developed on the Milwaukee campus.

6. The population and migration of eligible students will follow the pattern of the past two years.

7. Economic conditions in the Milwaukee area will remain substantially the same as at the present time. Slight variations should not invalidate the forecasts but a severe recession or a great economic "boom" would require a complete revision of this study.

8. There will be no major war or other major catastrophe.

9. Facilities and staff will be provided to meet the needs of the enlarged student body.

10. Academic and admissions requirements will not be changed to any great extent.

11. Selective service requirements and educational aid programs will continue on the same basis as at the present time.

The forecast period covered in this report is the years 1959 through 1975. It is recognized, generally, that the longer the forecast period the greater is the possible margin of error. Two types of forecasts are necessary in educational planning: (1) short-range with relatively high precision for budget and instructional planning on a year-to-year basis and (2) long-range useful as a broad and general guide for future building and program planning. Long-range projections are the purpose of this report.

DAY ENROLLMENT

In order to make decisions of the bases on which to project the enrollment of day students for the University of Wisconsin-Milwaukee, it is desirable to study some of the basic characteristics of the student body. This is done in terms of the relationship of the total student body to the total enrollment in the Milwaukee public and private colleges and in the state as a whole, the relationship of the undergraduate enrollment to the undergraduate enrollment in the other Milwaukee colleges and in the state as a whole, and the relationship of the new freshmen to the new freshmen in the other Milwaukee colleges and the state as a whole.

In addition, a study is made of the University of Wisconsin-Milwaukee new freshmen according to their high school and geographic origin and of the advanced standing students according to their college and geographic origin. Lastly, a study is made of the age distribution of the University of Wisconsin-Milwaukee student body by class.

Total Day Enrollment

Table I is a presentation of the total day enrollments in Milwaukee colleges. The number of students enrolled in the Milwaukee colleges has increased in each of the last six years; this is true of both the public colleges and the private colleges. However, the per cent of the Milwaukee college students enrolled in the public colleges has increased in each of the last four years. True likewise is an increase in per cent of Milwaukee college students attending the University of Wisconsin-Milwaukee or the prior institutions, the University Extension Center and the Milwaukee State College. Hereafter, the notation M.S.C.-U.W. will be used to designate the composite of the two institutions, the Milwaukee State College and the University Extension Center, where figures are used for comparative purposes both before and after the merger. U.W.-M. will indicate that all figures apply to the institution after the merger.

The above increases may indicate that, should there be substantial increases in the total Milwaukee college enrollments, the private colleges will not educate as high a percentage of the total students attending Milwaukee colleges as is true at present. Also of note is the decrease in the percentage of students attending the Milwaukee public colleges during the years from 1947 through

TABLE I

FIRST SEMESTER TOTAL DAY ENROLLMENTS, MILWAUKEE COLLEGES*

Year	Private			Public					Total		
				M.S.C.† & U.W.			Inst. of			%	%
	Marq.	Other+	Total	M.S.C.	U.W.	Total	Tech.	Total	No.	Public	M.S.C. & U.W.
1940-41	3,458	2,092	5,550	1,486	693	2,179	--	2,179	7,729	28.19	28.19
1947-48	7,340	3,435	10,775	1,794	2,872	4,666	263	4,929	15,704	31.39	29.71
1948-49	7,208	3,621	10,829	1,715	2,225	3,940	193	4,133	14,962	27.62	26.33
1949-50	7,135	3,764	10,899	1,803	1,821	3,624	180	3,804	14,703	25.87	24.65
1950-51	6,633	3,364	9,997	1,762	1,500	3,262	155	3,417	13,414	25.47	24.32
1951-52	6,301	2,952	9,253	1,730	1,218	2,948	106	3,054	12,307	24.82	23.95
1952-53	6,138	2,890	9,028	1,761	1,079	2,840	109	2,949	11,977	24.62	23.71
1953-54	6,586	2,985	9,571	1,808	1,083	2,891	158	3,049	12,620	24.16	22.91
1954-55	7,091	3,654	10,745	1,944	1,267	3,211	159	3,370	14,115	23.88	22.75
1955-56	7,421	4,391	11,812	2,305	1,600	3,905	849	4,754	16,566	28.70	23.57
1956-57	7,613	4,516	12,129	--	4,481	4,481	901	5,382	17,511	30.73	25.59
1957-58	7,405	4,632	12,037	--	4,735	4,735	1,029	5,764	17,801	32.38	26.60
1958-59	7,516	4,982	12,498	--	5,191	5,191	1,351	6,542	19,040	34.36	27.26

* Registrar's reports.

+ Colleges included are: Alverno, Cardinal Stritch, Concordia, Divine Savior, Mater Dolorosa, Layton School of Art, Milwaukee-Downer, Milwaukee School of Engineering, Mt. Mary, St. Francis Seminary, and Wisconsin Conservatory.

† Milwaukee State College; State Teachers College prior to 1951.

1953. It was characteristic in the entire state that, when the World War II veterans enrolled, the veterans chose to attend the public colleges to greater degree than they did the private colleges. This created an abnormal attendance ratio between the public and private colleges.

The pattern of the per cent of Milwaukee college undergraduate students (Table II and Graph I) enrolled in the Milwaukee public colleges follows in general the pattern of total enrollments in these colleges but becomes more pronounced since there were few graduate students and no professional students enrolled in the day programs of the Milwaukee public colleges.

One observes from Table III that the percentage of the total Wisconsin undergraduate students enrolled in Milwaukee colleges has declined in each of the last three years and that this is true of the Milwaukee private colleges when taken as a group. However, the percentage of the total Wisconsin undergraduate students enrolled in the Milwaukee public colleges has increased in each of the last four years; this is true also of the M.S.C.-U.W. Since the M.S.C.-U.W. is growing faster percentage-wise than is true of the total undergraduate college growth in Wisconsin, it is felt that the characteristics of the population from which these students are drawn should be studied and that such an analysis of the population might reveal that, in making projections for this report, these college enrollments should not be related to the total college age pool for the state.

New Freshman Enrollment

Since undergraduate enrollments are determined by the number of new freshmen and their attrition rate and by the number of advanced standing students transferring from other colleges, numerical background data is presented relative to both of these groups. From Table IV, one notes a fluctuation in the past few years in the total number of new freshmen enrolled in the Milwaukee colleges. Particularly interesting is the decrease in new freshmen in the fall of 1957; this was true at Marquette University, at the Milwaukee private colleges collectively, at the University of Wisconsin-Milwaukee, and at all Milwaukee colleges collectively. The decrease in new freshmen in the fall of 1957 was not characteristic of Milwaukee colleges only, for there was a decrease in the total new freshmen in the colleges of the state (Table V). This fluctuation will be treated later when enrollments are related to the age pool.

TABLE II

FIRST SEMESTER UNDERGRADUATE DAY ENROLLMENTS, MILWAUKEE COLLEGES*

Year	Private			Public					Total		
				M.S.C.† & U.W.						%	%
	Marq.	Other+	Total	M.S.C.	U.W.	Total	Inst. of Tech.	Total	No.	Public	M.S.C. & U.W.
1940-41	2,279	2,089	4,368	1,486	693	2,179	--	2,179	6,547	33.28	33.28
1947-48	5,930	3,435	9,365	1,794	2,850	4,644	263	4,907	14,272	34.38	32.54
1948-49	5,770	3,621	9,391	1,715	2,213	3,928	193	4,121	13,512	30.50	29.07
1949-50	5,535	3,763	9,298	1,803	1,807	3,610	180	3,790	13,088	28.96	27.58
1950-51	5,000	3,363	8,363	1,762	1,491	3,253	155	3,408	11,771	28.95	27.64
1951-52	4,665	2,951	7,616	1,721	1,210	2,931	106	3,037	10,653	28.51	27.51
1952-53	4,586	2,887	7,473	1,750	1,064	2,814	109	2,923	10,396	28.12	27.07
1953-54	5,035	2,983	8,018	1,808	1,083	2,891	158	3,049	11,067	27.55	26.12
1954-55	5,476	3,654	9,130	1,944	1,267	3,211	159	3,370	12,500	26.96	25.69
1955-56	5,803	4,389	10,192	2,305	1,600	3,905	849	4,754	14,946	31.81	26.13
1956-57	6,012	4,514	10,526	--	4,463	4,463	901	5,364	15,890	33.76	28.09
1957-58	5,789	4,620	10,409	--	4,735	4,735	1,029	5,764	16,173	35.64	29.28
1958-59	5,735	4,819	10,554	--	5,191	5,191	1,351	6,542	17,096	38.27	30.36

* Registrar's reports.

+ Colleges included are: Alverno, Cardinal Stritch, Concordia, Divine Savior, Mater Dolorosa, Layton School of Art, Milwaukee-Downer, Milwaukee School of Engineering, Mt. Mary, St. Francis Seminary, and Wisconsin Conservatory.

† Milwaukee State College; State Teachers College prior to 1951.

GRAPH I

UNDERGRADUATE DAY ENROLLMENTS IN MILWAUKEE COLLEGES
FIRST SEMESTER 1947 THROUGH 1958

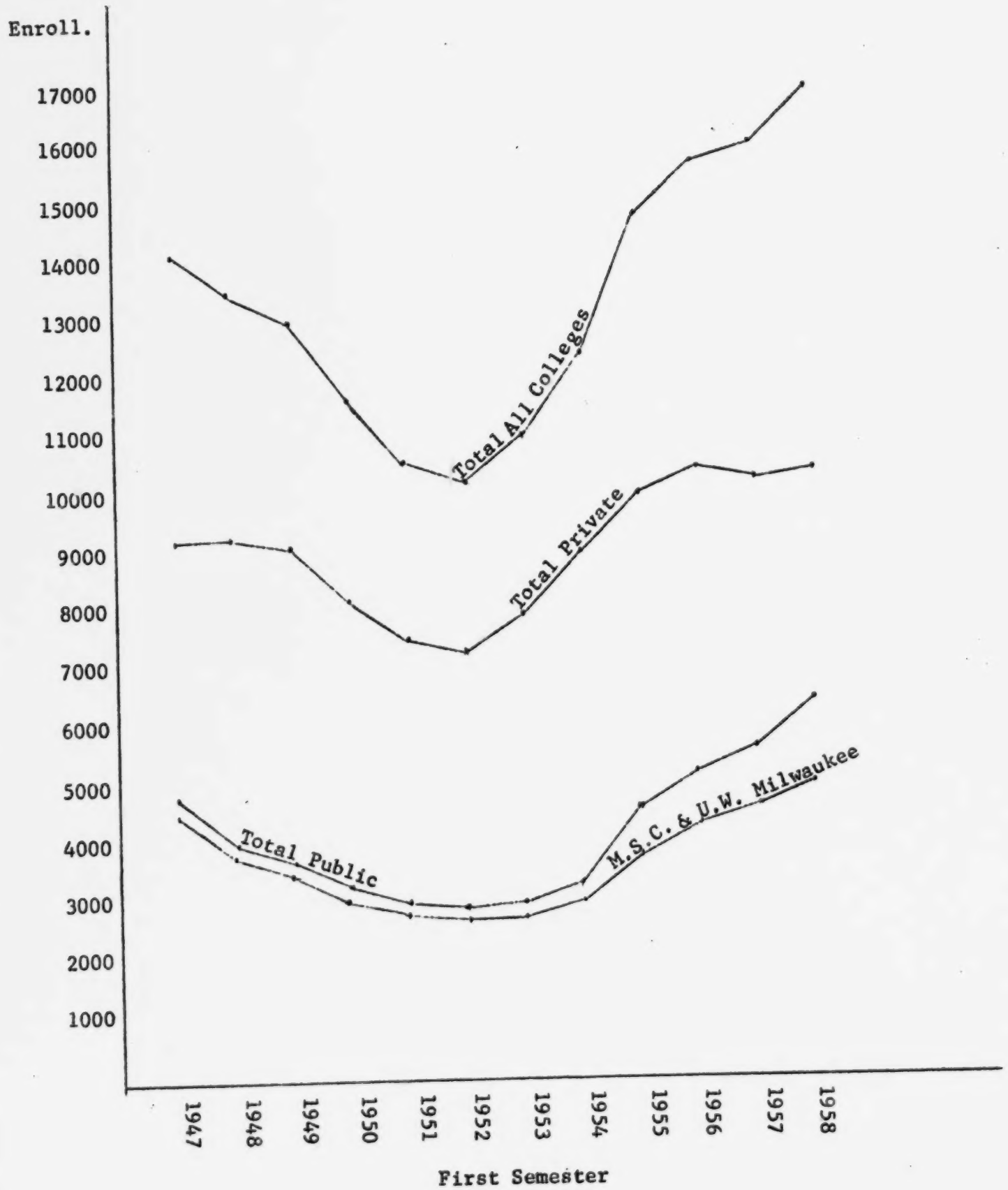


TABLE III

COMPARISON OF UNDERGRADUATE DAY ENROLLMENT IN MILWAUKEE COLLEGES
WITH TOTAL UNDERGRADUATE DAY ENROLLMENT IN ALL WISCONSIN COLLEGES

Year	Undergrad. Enroll. All Wis. Colleges	Per Cent Milwaukee Colleges is of Total State*			
		Private Colleges	M.S.C.† & U.W.	Total Public	Total Colleges
1940-41	28,877	15.13	7.55	7.55	22.68
1947-48	46,734	20.04	9.94	10.50	30.54
1948-49	44,947	20.89	8.74	9.17	30.06
1949-50	43,667	21.29	8.27	8.68	29.97
1950-51	38,486	21.73	8.45	8.86	30.59
1951-52	34,035	22.38	8.61	8.92	31.30
1952-53	33,430	22.35	8.42	8.74	31.09
1953-54	34,565	23.20	8.36	8.82	32.02
1954-55	38,481	23.73	8.34	8.76	32.49
1955-56	44,996	22.65	8.68	10.57	33.22
1956-57	48,371	21.76	9.23	11.09	32.85
1957-58	49,698	20.94	9.53	11.60	32.54
1958-59	53,091	19.88	9.78	12.32	32.20

* See Table II for enrollments.

† Milwaukee State College; State Teachers College prior to 1951.

TABLE IV

FIRST SEMESTER NEW FRESHMAN DAY ENROLLMENT, MILWAUKEE COLLEGES*

Year	Private			Public					Total		
				M.S.C.† & U.W.			Inst. of Tech.	Total	No.	% Public	% M.S.C. & U.W.
	Marq.	Other	Total	M.S.C.	U.W.	Total					
1940-41	738	462	1,200	403	349	752	--	752	1,952	38.52	38.52
1947-48	1,300	1,176	2,476	501	993	1,494	136	1,630	4,106	39.70	36.39
1948-49	1,500	1,126	2,626	466	980	1,446	107	1,553	4,179	37.16	34.60
1949-50	1,707	1,123	2,830	449	692	1,141	125	1,266	4,096	30.91	27.86
1950-51	1,168	917	2,085	383	622	1,005	64	1,069	3,154	33.89	31.86
1951-52	1,168	754	1,922	486	468	954	68	1,022	2,944	34.71	32.40
1952-53	1,410	780	2,190	524	472	996	64	1,060	3,250	32.62	30.65
1953-54	1,736	937	2,673	529	510	1,039	84	1,123	3,796	29.58	27.37
1954-55	1,759	997	2,756	575	557	1,132	113	1,245	4,001	31.12	28.29
1955-56	1,664	1,312	2,976	716	711	1,427	435	1,862	4,838	38.49	29.50
1956-57	1,672	1,379	3,051	--	1,454	1,454	407	1,861	4,912	37.89	29.60
1957-58	1,503	1,260	2,763	--	1,385	1,385	460	1,845	4,608	40.04	30.06
1958-59	1,508	1,273	2,781	--	1,602	1,602	648	2,250	5,031	44.72	31.84

* Registrar's reports.

+ Colleges included are: Alverno, Cardinal Stritch, Concordia, Divine Savior, Mater Dolorosa, Layton School of Art, Milwaukee-Downer, Milwaukee School of Engineering, Mt. Mary, St. Francis Seminary, and Wisconsin Conservatory.

† Milwaukee State College; State Teachers College prior to 1951.

TABLE V

COMPARISON OF NEW FRESHMAN DAY ENROLLMENT IN MILWAUKEE COLLEGES
WITH TOTAL NEW FRESHMAN DAY ENROLLMENT IN ALL WISCONSIN COLLEGES

Year	Undergrad. Enroll. All Wis. Colleges	Per Cent Milwaukee College is of Total State*			
		Private Colleges	M.S.C.† & U.W.	Total Public	Total Colleges
1940-41	9,502	12.63	7.91	7.91	20.54
1947-48	12,964	19.10	11.52	12.57	31.67
1948-49	12,235	21.46	11.82	12.69	34.15
1949-50	12,653	22.37	9.02	10.00	32.37
1950-51	10,521	19.82	9.55	10.16	29.98
1951-52	9,957	19.30	9.58	10.26	29.56
1952-53	11,241	19.48	8.86	9.43	28.91
1953-54	12,249	21.82	8.48	9.17	30.99
1954-55	13,282	20.75	8.52	9.37	30.12
1955-56	15,064	19.76	9.47	12.36	32.12
1956-57	15,127	20.17	9.61	12.30	32.47
1957-58	14,706	18.79	9.42	12.54	31.33
1958-59	16,330	17.03	9.81	13.78	30.81

* See Table IV for enrollments.

† Milwaukee State College; State Teachers College prior to 1951.

With the exception of the fall of 1957, the total new freshman enrollment in the state increased each year since 1951. This was true also of the total new freshman enrollments in the combined Milwaukee colleges and for the M.S.C.-U.W. but was not true of Marquette University though the general pattern was followed in the enrollment of the collective private colleges. There is a difference, however, in degree of change. The new freshman enrollment at Marquette University increased 29.1 per cent from 1951 to 1958; during this period the other Milwaukee private colleges had an increase of 68.8 per cent, the M.S.C.-U.W. experienced a 67.9 per cent increase; and the total Milwaukee public colleges increased 120.2 per cent. The latter is attributable to the great increase at the Milwaukee Institute of Technology, formerly the Vocational School.

There has been an increase in the per cent of new freshmen, enrolled in Milwaukee colleges, who are attending the M.S.C.-U.W. in each year for the past four years. This is also an indication that the private colleges may not be able to or will not enroll as high a percentage of the Milwaukee college students in the future as they do today.

In relating the new freshman enrollment in the Milwaukee colleges to the new freshman enrollment in all Wisconsin colleges (Table V), one notes a general decline in the percentage for the total of Milwaukee colleges but an increase in each of the past four years, with the exception of 1957, for the M.S.C.-U.W. If this pattern continues, this could mean that the undergraduate enrollment in the Milwaukee colleges will not increase as rapidly as for the state as a whole but that the University of Wisconsin-Milwaukee will increase more rapidly as will also the Milwaukee Institute of Technology. This indicates a relative shift from private to public education in Milwaukee. It also raises the possibility of a smaller increase in the college age population in Milwaukee as compared with the rest of the state or a smaller increase in the college age population, of Milwaukee County, attending college; this assumes that the students attending the Milwaukee colleges are from the Milwaukee population.

The new freshmen attending the University of Wisconsin-Milwaukee are primarily from Milwaukee County (Table VI) with 83.7 per cent being graduates of Milwaukee County high schools and 82.5 per cent giving a Milwaukee County address when registering as new freshmen; this is under the assumption that the 1958-59 enrollment is characteristic. Only 61.0 per cent were graduated from high schools within the city of Milwaukee. This in itself indicates that

TABLE VI

NEW FRESHMEN BY LOCATION OF HIGH SCHOOL FROM WHICH GRADUATED AND HOME ADDRESS
UNIVERSITY OF WISCONSIN-MILWAUKEE, FIRST SEMESTER 1958-59

Location	High School		Home Address	
	No.	%	No.	%
Milwaukee County	1,341	83.7	1,323	82.5
Milwaukee	(977)	(61.0)		
Milwaukee Suburbs	(364)	(22.7)		
Other "Lake-Shore" Counties*	137	8.6	187	11.7
Other Wisconsin	103	6.4	83	5.2
States Other than Wisconsin	20	1.2	9	0.6
Foreign Countries	1	0.1	--	--
TOTAL	1,602	100.0	1,602	100.0

* The following counties: Kenosha, Ozaukee, Racine, Sheboygan, Washington, and Waukesha.

estimates of new freshmen at the U.W.-M. should be based upon the population in Milwaukee County.

Of the other "Lake-Shore" counties, by geographic residence, Kenosha County provided four new freshmen for the U.W.-M. and 40 for the U.W., Madison, (95.5 per cent of the total of 337 students at the University Extension Center, Kenosha, are from Kenosha County); Ozaukee County had 33 new freshmen at the U.W.-M. and 19 at the U.W., Madison; Racine County had 10 new freshmen at the U.W.-M. and 49 at the U.W., Madison, (87.9 per cent of the total of 397 students at the University Extension Center, Racine, are from Racine County); Sheboygan County supplied 13 new freshmen at the U.W.-M. and 44 at the U.W., Madison; Washington County had 11 new freshmen at the U.W.-M. and 24 at the U.W., Madison; and Waukesha County had 116 new freshmen at the U.W.-M. and 87 at the U.W., Madison.

There is indication that not only was the U.W.-M. conceived as a commuting institution but it is serving primarily students who are within commuting distance. The map of Wisconsin (Chart I) shows the county of the high school from which graduated and the home address by county of the new freshmen at the U.W.-M. There is an indication of a slight shift of population in there being a few less new freshmen with Milwaukee County home addresses than graduated from Milwaukee County high schools; the reverse is true for Waukesha, Ozaukee, and Washington counties. Some of this could be due to residents of the latter counties attending high schools in Milwaukee County.

CHART I

COUNTY OF LOCATION OF HIGH SCHOOL AND HOME ADDRESS
OF FRESHMEN, UNIVERSITY OF WISCONSIN-MILWAUKEE, FIRST SEMESTER 19[illegible]

* Numbers in parentheses are home addresses

	High School	Home Address
[illegible] other than Wisconsin	20	(9)
[illegible] countries	1	(0)

Another interesting observation is that the University, Madison, has 267 new freshmen from Milwaukee County while the U.W.-M. has no new freshmen from Dane County. Other counties that were not represented in the 1958 fall U.W.-M. new freshman enrollment are: Green, Lafayette, Iowa, Grant, Richland, Juneau, Marquette, Waupaca, Marathon, Lincoln, Forest, Jackson, Trempealeau, Buffalo, Pepin, Pierce, St. Croix, Dunn, Polk, Barron, Rusk, Burnett, Washburn, and Douglas.

Table VII gives the high schools from which the U.W.-M. fall 1958 new freshmen were graduated. The high schools are divided according to those located in Milwaukee city, Milwaukee County other than Milwaukee city, other "Lake Shore" counties, other Wisconsin counties, states other than Wisconsin, and foreign countries. Among the new freshmen at the U.W.-M., nearly 28 per cent of the graduates of the high schools located in the city of Milwaukee are from private high schools.

Of the new freshmen at the U.W.-M., first semester 1958-59, 89.1 per cent were 17, 18, or 19 years of age. Of these, 7.5 per cent were 17, 77.5 per cent were 18, and 15.0 per cent were 19 years of age.

Advanced Standing Enrollment

Twenty-five per cent of the students entering the U.W.-M with advanced standing in the first semester 1958-59 were from colleges located in Milwaukee County (Table VIII). There were 111 students who transferred from the Madison campus of the University while 222 students transferred as undergraduates from the U.W.-M. to the Madison campus. There were 51 students from the Racine Extension Center who transferred to Madison and 23 who transferred to the U.W.-M; the Kenosha Extension Center sent 28 students to Madison and 22 to the U.W.-M. None of the other Extension Centers supplied more than nine students to the U.W.-M. during the first semester 1958-59 whereas the Madison campus received the following number of undergraduates from these Extension Centers: Green Bay, 49; Manitowoc, 14; Marinette, 11; Menasha, 15: Sheboygan, 36; and Wausau, 52.

Although only 24.7 per cent of the advanced standing students entered the U.W.-M. from a college located in Milwaukee County, 63.9 per cent claimed Milwaukee County as their home (Table IX). While 22.8 per cent entered from colleges in states other than Wisconsin, only 1.3 per cent had home addresses

TABLE VII

NEW FRESHMEN BY HIGH SCHOOL FROM WHICH GRADUATED
UNIVERSITY OF WISCONSIN-MILWAUKEE, FIRST SEMESTER 1958-59
(DIVIDED ACCORDING TO MILWAUKEE CITY, MILWAUKEE SUBURBS, OTHER "LAKE SHORE", OTHER WISCONSIN, STATES OTHER THAN WISCONSIN, AND FOREIGN COUNTRIES)

High School	No.
Milwaukee City	
Bay View	72
Boy's Technical	24
Concordia	1
Custer	54
Divine Savior	18
Don Bosco	29
Holy Angels Academy	7
Juneau	15
Lincoln	14
Lutheran	31
Marquette	24
Mercy	7
Messmer	48
North Division	33
Notre Dame	12
Pius XI	49
Pulaski	82
Riverside (East)	51
Rufus King	84
St. Francis Seminary	1
St. John's Cathedral	20
St. Mary's Academy	1
South Division	57
University	2
Vocational School	8
Washington	170
West Division	43
Wisconsin Lutheran	20
TOTAL PUBLIC	707
TOTAL PRIVATE	270
TOTAL	977
Milwaukee Suburbs	
Brookfield	35
Cudahy	24
Greendale	18
Nicolet	26
Shorewood	25
South Milwaukee	18
Wauwatosa	86
West Allis Central	63
West Allis Nathan Hale	23
West Milwaukee	29
Whitefish Bay	17
TOTAL	364
"Lake Shore" Other Than Milwaukee	
Kenosha County	
Kenosha	5
TOTAL	5
Ozaukee County	
Cedarburg	17
Port Washington	6
TOTAL	23
Racine County	
Burlington	1
Racine	7
Union Grove	1
Waterford	1
TOTAL	10
Sheboygan County	
Cedar Grove	1
Glenbeulah	1
Kohler	1
Oostburg	2
Plymouth	1
Random Lake	1
Sheboygan	7
Sheboygan Falls	1
TOTAL	15
Washington County	
Hartford	2
West Bend	6
TOTAL	8
Waukesha County	
Delafield	5
Hartland	1
Menomonee Falls	20
Oconomowoc	10
Pewaukee	1
Waukesha	39
TOTAL	76
TOTAL	137
Other Wisconsin	
Adams	2
Algoma	1
Amherst	1
Appleton	2
Baraboo	1

TABLE VII (Cont.)

High School	No.
Other Wisconsin (Cont.)	
Beaver Dam	2
Bonduel	1
Brandon	1
Campbellsport	1
Chippewa Falls	1
Delavan	1
DeSoto	2
Eagle River	3
East Troy	2
Eau Claire	2
Edgerton	1
Elcho	1
Fifield	1
Fish Creek	1
Florence	2
Fond du Lac	7
Fort Atkinson	1
Gilman	1
Goodman	2
Granton	1
Green Bay	2
Green Lake	1
Horicon	2
Hurley	1
Iron River	1
Jefferson	1
Juneau	1
Kewaunee	2
Kilbourn	1
Lake Geneva	2
Lake Mills	1
Manitowoc	4
Mattoon	1
Mayville	1
Medford	1
Mellen	1
Milton	1
Minocqua	1
Mt. Calvary	3
New Holstein	2
Oconto	1
Oshkosh	2
Owen	1
Portage	4
Port Edwards	1
Port Wing	1
Prairie du Chien	1
Pulaski	1
Reedsburg	1
Ripon	2
Rosholt	2
Shawano	2
Sturgeon Bay	1
Suring	1
Two Rivers	4
Watertown	1
Wautoma	2
Wilton	1
Winneconne	1
Winter	1
No high school	1
TOTAL	103
States Other Than Wisconsin	
Arkansas	1
California	1
Colorado	1
Georgia	1
Illinois	1
Iowa	1
Louisiana	1
Maryland	1
Michigan	5
Minnesota	2
Mississippi	1
Ohio	2
Pennsylvania	1
Virginia	1
TOTAL	20
Foreign Countries	
Israel	1
TOTAL	1
TOTAL ALL SCHOOLS	1,602

outside Wisconsin. This also bears out the earlier statement that the U.W.-M. appears to be an institution serving individuals from a quite limited area.

In the first semester 1958-59, the new advanced standing students at the U.W.-M. made up 8.8 per cent of the total enrollment (Table X). This is an increase percentage-wise over a year ago but a decrease over 1956-57. It is the largest number of transfers to either the U.W.-M. or to the other two prior separate institutions at least within the period of the survey, 1953-54 to the present.

TABLE VIII

ADVANCED STANDING STUDENTS BY COLLEGE FROM WHICH ADMITTED
UNIVERSITY OF WISCONSIN-MILWAUKEE, FIRST SEMESTER 1958-59
(DIVIDED ACCORDING TO MILWAUKEE COUNTY, OTHER "LAKE SHORE",
OTHER WISCONSIN, STATES OTHER THAN WISCONSIN, AND FOREIGN COUNTRIES)

College	No.	College	No.
Milwaukee County			
Cardinal Stritch	1	Ripon	6
Concordia	1	St. Norbert	4
Layton School of Art	3	La Crosse State	8
Marquette	51	Whitewater State	6
Milwaukee-Downer	1	U.W. Extension, Green Bay	6
Milwaukee School of Engineering	12	U.W. Extension, Manitowoc	9
Milwaukee Institute of Tech.	42	U.W. Extension, Marinette	4
Mount Mary	1	U.W. Extension, Menasha	4
St. Francis Seminary	1	U.W. Madison	111
TOTAL	113	Other Wisconsin	15
		TOTAL	178
"Lake Shore" Other Than Milwaukee		TOTAL WISCONSIN	350
Carroll, Waukesha	7	Other States	
Dominican, Racine	2	Illinois	22
Mission House, Sheboygan	1	Iowa	6
U.W. Extension, Kenosha	22	Massachusetts	4
U.W. Extension, Racine	23	Minnesota	4
U.W. Extension, Sheboygan	4	New York	4
TOTAL	59	Texas	4
		Other States	60
		TOTAL	104
Other Wisconsin (4 or more transfers)		Foreign Countries	2
Milton	5	No Previous College	1
		TOTAL ADVANCED STANDING	457

TABLE IX

ADVANCED STANDING STUDENTS BY COLLEGE FROM WHICH ADMITTED AND HOME ADDRESS
UNIVERSITY OF WISCONSIN-MILWAUKEE, FIRST SEMESTER 1958-59

Location	College		Home Address	
	No.	%	No.	%
Milwaukee County	113	24.7	292	63.9
Other "Lake Shore" Counties*	59	12.9	100	21.9
Other Wisconsin	178	39.0	57	12.5
States Other Than Wisconsin	104	22.8	6	1.3
Foreign Countries	2	0.4	2	0.4
No Previous College	1	0.2	--	--
TOTAL	457	100.0	457	100.0

* The following counties: Kenosha, Ozaukee, Racine, Sheboygan, Washington, and Waukesha.

TABLE X

ADVANCED STANDING STUDENTS FIRST SEMESTER
MILWAUKEE STATE COLLEGE AND U.W.-MILWAUKEE

Year	Total Enroll.	Adv. Stg.	% Adv. Stg. in Total*
1953-54	2,891	238	8.23
1954-55	3,211	294	9.16
1955-56	3,905	394	10.09
1956-57	4,481	397	8.86
1957-58	4,735	357	7.54
1958-59	5,191	457	8.80

* The higher percentages prior to 1956-57 are due at least in part to the transfers from the University Extension, Milwaukee, to the Milwaukee State College and vice-versa.

Ages of Students

If it can be assumed that the age distribution of U.W.-M. students during the first semester 1958-59 is representative of what the age distribution will be in the future, Table XI can be very useful in enrollment forecasts. This table gives the age distribution of each class with the age indicated being the age after the students' birthdays during the 1958 year. One notes immediately the general uni-modal distribution of each class (Graph II). There are secondary modes but they are not of consequence. As could be expected the distributions are skewed tailing to the older age groups. Also of note is the primary mode of ages being one year higher for each successive class.

TABLE XI

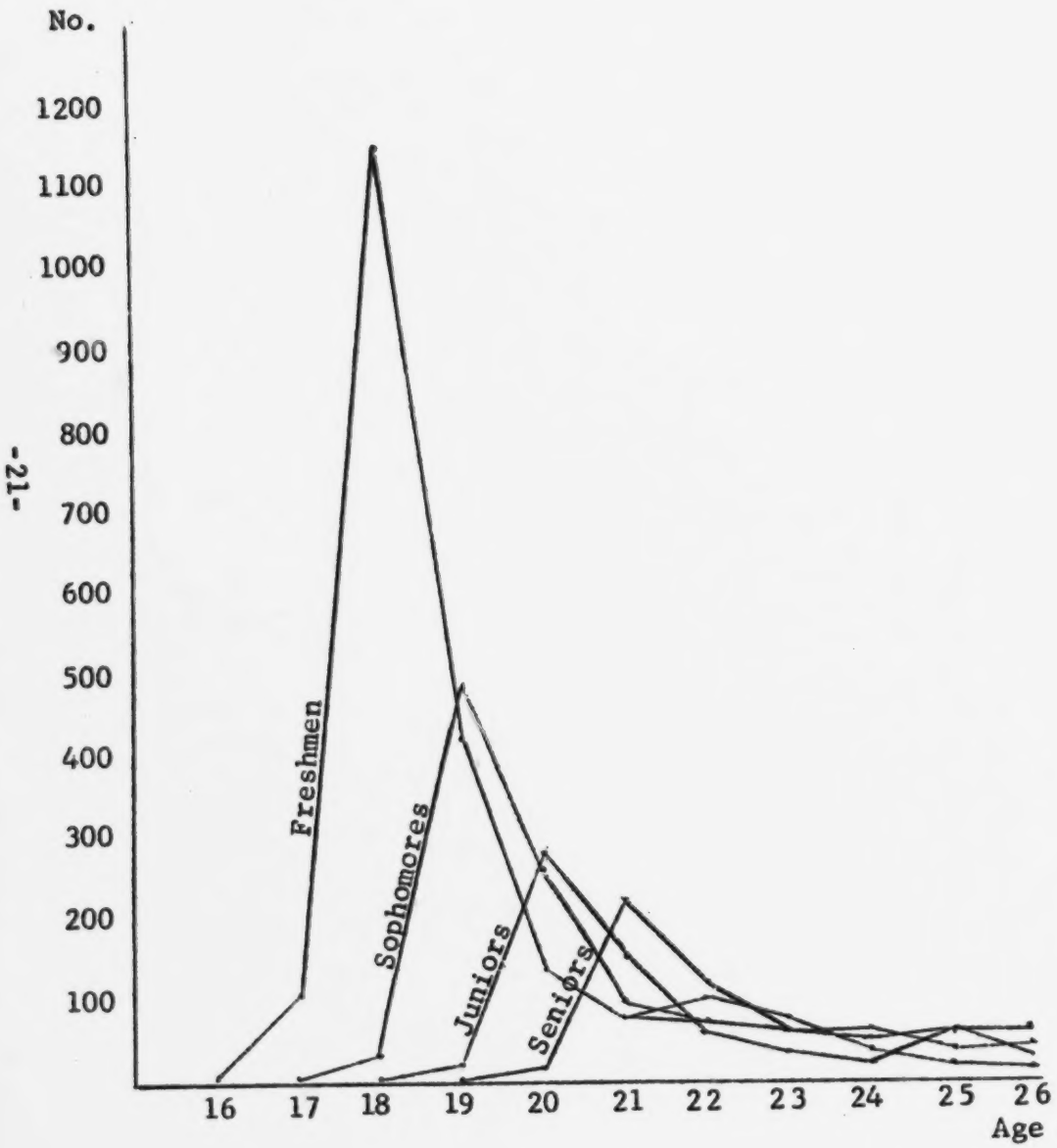
DISTRIBUTION OF AGES OF STUDENTS - UNIVERSITY OF WISCONSIN-MILWAUKEE
FIRST SEMESTER 1958-59

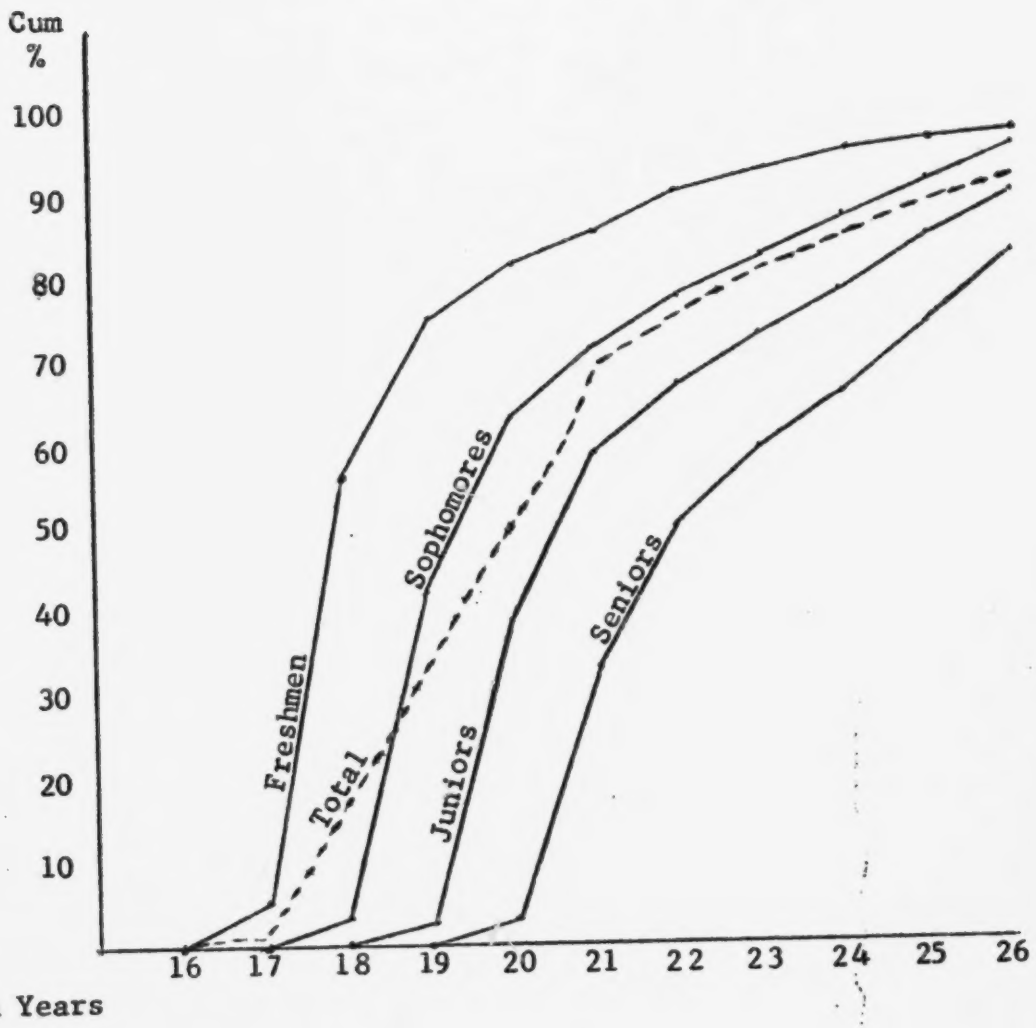
Age*	Year of Birth	Total Enroll.	Freshmen			Total Soph.	Total Juniors	Total Seniors	Total Spec.
			New	Other	Total				
16	42	6	6		6				
17	41	111	107	2	109	1			1
18	40	1204	1106	53	1159	44	1		
19	39	943	214	215	429	488	23	1	2
20	38	732	47	101	148	269	286	29	
21	37	573	26	57	83	99	151	237	3
22	36	378	34	68	102	77	66	129	4
23	35	260	29	48	77	62	42	69	10
24	34	203	11	32	43	66	39	51	4
25	33	207	8	21	29	46	58	66	8
26	32	173	3	15	18	47	38	64	6
27	31	98	3	7	10	15	18	47	8
28	30	61		6	6	9	14	25	7
29	29	31		4	4	7	6	10	4
30	28	27	1	2	3	5	6	5	8
31	27	16		2	2	2	5	3	4
32	26	20	1	3	4	6	3	6	1
33	25	16		2	2	1	7	2	4
34	24	10		3	3	1		2	4
35	23	17		2	2	1	3	7	4
36	22	10	1	2	3	2	2		3
37	21	10	1	1	2	1		2	5
38	20	12	2		2	1		6	3
39	19	4		1	1	1	1	1	
40	18	9	1		1	1	2	1	4
41	17	5		1	1		2	1	1
42	16	9		1	1	1	1	3	3
43	15	4	1	1	2		1		1
44	14	2		1	1	1			
45	13	3					1		2
46	12	4						2	2
47	11	2					1		1
48	10	2					1		1
49	09	3				1			2
50	08	2						1	1
51	07	4						3	1
52	06	3							3
53	05	3					1	1	1
54	04	3						2	1
55	03	4					1	1	2
56	02	1							1
57	01	1							1
60	98	2						1	1
64	94	1							1
71	87	1						1	
73	85	1							1
TOTAL		5191	1602	651	2253	1255	780	779	124

* Age in years after 1958 birthday.

GRAPH II

DISTRIBUTION OF AGES OF STUDENTS BY CLASS, THE UNIVERSITY OF WISCONSIN-MILWAUKEE
FIRST SEMESTER 1958-59





The range of ages of each successive class increases as does the variability. One can observe, however, the close association of age grouping for the successive classes, within the 17 to 26 year old range. This implies that if the freshman class can be quite accurately projected, it would be possible to project the enrollments in the freshman class to successive classes.

It is often assumed that, if the 18-21 year age population can be determined, this population should be used as the basis for forecasting total undergraduate college enrollments. By inspection, one sees that the 18-21 year group would not describe the U.W.-M. enrollment satisfactorily. One initially notes the decrease in numbers of students from those who are 18 to those who are 21 years of age. In a 18-21 year description, 2.3 per cent of the college students under 18 years of age would be omitted; 31.2 per cent of the students are over 21 years of age.

Births in Milwaukee County and Projection of Twelfth Grade Students

The births for Milwaukee County (Table XII) were obtained from the Office of the Register of Deeds for Milwaukee County. Sixty-nine per cent of the new freshmen at the U.W.-M. in the fall semester were 18 years of age. These persons were born in 1940. The individuals born in 1958 would be 18 years old in 1976. There were 103.2 per cent more births in 1958 than in 1940 and 107.5 per cent more births in 1957 than in 1940.

On the basis of births, all other factors being equal, it could be expected that the new freshman enrollment in 1976 would be about double that of 1958. However, this type of statistic does not take into account factors such as: (1) the 18 year olds not being truly representative of the new freshman group, (2) the change in mortality rate, (3) the change in population through in-migration and out-migration for Milwaukee County, (4) the change in desire and related forces causing a higher percentage of the 18 year olds to attend colleges, and (5) the change in the proportion of students who will attend a public or a private college.

If the number of 18 year olds based upon these birth figures is representative of the changes in the freshman class, one could assume a rapid increase in new freshmen for the years 1960 and 1961, a decrease for the years 1962 and 1963, a rapid increase for the years 1964 and 1965, a rather stable freshman class in terms of numbers for the years 1966 through 1968, and, in general, a gradual increase from one year to the next between 1969 and 1976 (Graph III).

TABLE XII

BIRTHS IN MILWAUKEE COUNTY 1910-1958*

Year	No.	Year	No.
1910	10,006	1935	12,280
1911	13,213	1936	12,172
1912	11,112	1937	12,636
1913	12,723	1938	13,193
1914	13,587	1939	12,957
1915	13,092	1940	13,663
1916	13,177	1941	14,845
1917	13,486	1942	19,582
1918	14,233	1943	20,287
1919	12,386	1944	15,444
1920	13,175	1945	15,480
1921	13,115	1946	18,659
1922	12,673	1947	21,242
1923	13,629	1948	20,274
1924	14,149	1949	20,779
1925	13,955	1950	21,223
1926	14,379	1951	23,385
1927	14,851	1952	24,212
1928	14,912	1953	24,103
1929	14,841	1954	25,095
1930	14,937	1955	25,504
1931	14,001	1956	27,136
1932	13,250	1957	28,354
1933	12,044	1958	27,758
1934	12,232		

*From Office of Register of Deeds, Milwaukee County, 103 County Court House. These are occurance figures, that is, according to the birth being in Milwaukee County not whether or not the mother was a resident of Milwaukee County.

The new freshmen would follow the pattern of the births with 18 years intervening. It is doubtful that this will be the case because of the operation of factors such as enumerated earlier in this sub-section.

The office of the Milwaukee County Superintendent of Schools made a projection of births to twelfth grade students in the Milwaukee County public schools including the city of Milwaukee; this projection is shown in Table XIII and on Graph III. The projection assumes no change in migration, no change in

GRAPH III

PROJECTED TWELFTH GRADERS* AND ACTUAL BIRTHS 17 YEARS EARLIER

*Milwaukee County and City of Milwaukee public schools only (Projection of Office of Milwaukee County Superintendent).

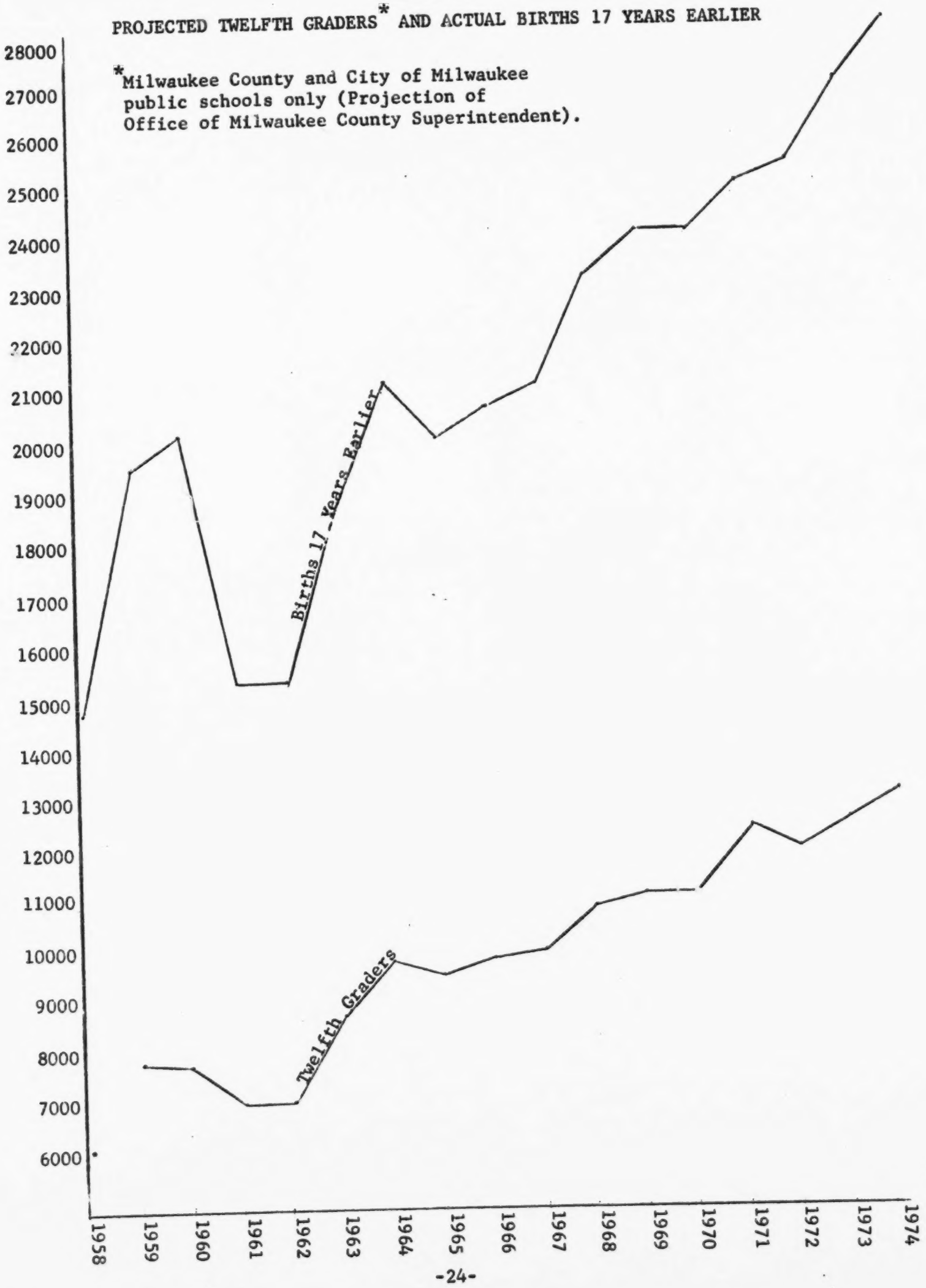


TABLE XIII

PROJECTED ENROLLMENT OF TWELFTH GRADE STUDENTS
MILWAUKEE COUNTY PUBLIC SCHOOLS, INCLUDING MILWAUKEE CITY,
BUT EXCLUDING COUNTY INSTITUTIONS*

Year	No.†
1953-54	5,632 (5,518)
1954-55	5,824 (5,760)
1955-56	6,060 (6,074)
1956-57	5,972 (5,997)
1957-58	5,949 (6,078)
1958-59	6,326
1959-60	7,953
1960-61	7,884
1961-62	7,171
1962-63	7,141
1963-64	8,849
1964-65	9,943
1965-66	9,595
1966-67	9,923
1967-68	10,047
1968-69	10,971
1969-70	11,236
1970-71	11,300
1971-72	12,496
1972-73	12,005
1973-74	12,583
1974-75	13,180

* From Office of Milwaukee County Superintendent. Numbers in parentheses are actual.

† Number of resident live births in Milwaukee County was used as the basis of forecast according to the following experience percentages.

Grade Projection	Per Cent
Birth to Kgn.	99.5
" " 1	60.0
" " 2	56.0
" " 3	55.0
" " 4	53.0
" " 5	54.0
" " 6	55.0
" " 7	56.0
" " 8	54.0
" " 9	68.0
" " 10	61.0
" " 11	54.0
" " 12	50.0

the relationship of public to private enrollments, and no change in mortality. Assuming that the projection is a reliable and valid projection for public school enrollments, it has the limitation of not considering the effect of private school enrollments. The college students come from both public and private secondary schools.

From the projected and actual enrollments of twelfth grade students for the years 1953 through 1957, it appears that the long-range projections are too conservative since the estimates for 1953 were too high but by 1956 and 1957 the twelfth graders were underestimated. It is interesting to note also the decrease in the relationship between births and kindergarten children and births and first graders, 99.5 and 60.0 respectively. Part of this is due probably to prospective private school children having their kindergarten experience in the public schools; part may be due also to the opportunity for a greater than one year experience in kindergarten.

DAY ENROLLMENT PROJECTION

The analyses, in the previous section, of day enrollments at the University of Wisconsin-Milwaukee emphasize certain characteristics of the student body of that institution. Those analyses, for purposes of projection, indicate that:

1. The enrollment at the University of Wisconsin-Milwaukee is increasing more rapidly than is true of the undergraduate enrollment of the state as a whole suggesting that the U.W.-M. enrollment probably should not be related to the total college age pool of the state.

2. There has been an increase in the per cent of the new freshmen, enrolled in the Milwaukee colleges, who are attending the University of Wisconsin-Milwaukee in each year for the past four years. This may mean that the private colleges do not desire, may not be able, or will not have the opportunity to enroll as high a percentage of the Milwaukee college students in the future as is true at present.

3. There has been a general decline in the percentage of new freshmen, in the state, who are enrolled in Milwaukee colleges but an increase in each of the past four years, with the exception of 1957, for the University of Wisconsin-Milwaukee. Thus, in any projection the relative U.W.-M. increases should be taken into account.

4. The population, from which the University of Wisconsin-Milwaukee is securing its new freshman students, is, for the most part, that of Milwaukee County. Of the new freshmen, 83.7 per cent are graduates of Milwaukee County high schools and 82.5 per cent give a Milwaukee County address when registering. Only 61.0 per cent are from high schools within the city of Milwaukee. This implies that the projection should be based upon the college age group in Milwaukee County.

5. Of the new freshmen at the University of Wisconsin-Milwaukee during the first semester 1958-59, 89.1 per cent were 17, 18, or 19 years of age. Of these, 7.5 per cent were 17, 77.5 per cent were 18, and 15.0 per cent were 19 years of age. The new freshmen, therefore, can be defined quite well in terms of the weighted 17, 18, and 19 year olds in the Milwaukee County population.

6. Of the advanced standing students entering the University of Wisconsin-Milwaukee, first semester 1958-59, 63.9 per cent were individuals whose home

residence is in Milwaukee County. Though subject to error, it would appear that a best estimate of advanced standing students as a source of student body increment is the Milwaukee County residents; the previous data presented does not indicate that the total college enrollments in Wisconsin would be a good index of the number of advanced standing students to expect at the U.W.-M.

From the above observations and the basic assumptions listed in the introductory section, pages 2 and 3, the general method of making the undergraduate day enrollment projection for the University of Wisconsin-Milwaukee is to:

1. determine the pool of 17, 18, and 19 year olds in Milwaukee County using the school census reports;

2. determine the average change in age population for Milwaukee County from one year to the next, i.e., the one year olds to two year olds the following year, the two year olds to three year olds the following year, etc.;

3. project the age population by age for Milwaukee County;

4. develop a weighted 17-19 year old Milwaukee County age pool;

5. relate the new freshmen, at the University of Wisconsin-Milwaukee, to the 17-19 year old age pool;

6. project the new freshman enrollment for the University of Wisconsin-Milwaukee:

   a. by projection A, assuming that the various colleges located in Milwaukee will take the same percentage of the total Milwaukee County college-going youth as they have in the past, and

   b. by projection B, correcting for the average increase in the percentage of new freshman students enrolled at the M.S.C.-U.W. during the past five years as compared with the total enrollment in all of the Milwaukee colleges;

7. determine the retention rate from class to class for the M.S.C.-U.W., and,

8. project the enrollments from class to class.

Projection of New Freshmen

Since the new freshmen at the University of Wisconsin-Milwaukee come primarily from Milwaukee County and since they are primarily 17, 18, and 19 years of age, the attempt was to determine the pool of 17, 18, and 19 year olds in Milwaukee County.

The Milwaukee County school census figures for each age 0 through 19, as of June 30, for the years 1956, 1957, and 1958 were obtained. The census figures for the city of Milwaukee were taken from the statistical reports of the Milwaukee City Board of School Directors. The school census figures for the cities of Cudahy, South Milwaukee, Wauwatosa, West Allis, and West Milwaukee, and the school census figures for Milwaukee County outside of the cities listed were obtained from the reports of the Milwaukee County Superintendent of Schools. The composite of all school census figures indicated above, for each year, gave the number of individuals at each age for the year within Milwaukee County. These figures are presented in Tables XIV, XV, and XVI.

It is assumed that, if there are errors in the method of taking the school census, the errors are consistent. If there is under-reporting for any age group, this will not invalidate the projection providing the under-reporting is consistent from year to year.

To project the 17, 18, and 19 year olds in Milwaukee County, an average change from one age to the next for the years 1956 to 1957 and 1957 to 1958 is computed (Table XVII). This gives the change for the one year olds to two year olds, two year olds to three year olds, etc. A computed change of this type incorporates the factors of mortality and migration. It is assumed, for the purposes of this report, that mortality and migration for the forecast period is represented by mortality and migration during the 1956 to 1958 period.

Using the factor of average change, from Table XVII, and the 0 through 19 year old population by age as of June 30, 1958, the population is projected to the 17, 18, and 19 year olds for the years, ending June 30, of 1959 through 1975 (Table XVIII).

The ages used, of new freshmen at the University of Wisconsin-Milwaukee, for developing an experiential relationship between age and attendance is the age during the calendar year; therefore, it is necessary to convert the population age figures as of June 30 to figures as of December 31. The results are reported in the second, third, and fourth columns of Table XIX. It is assumed that half of the individuals, at any age as of June 30, were born on or after July 1 of the previous year and half were born prior to July 1 of the year reported. According to the staff of the office of the Milwaukee County Register of Deeds, about half of the births in any calendar year take place prior to July 1 of that year.

TABLE XIV

MILWAUKEE COUNTY SCHOOL CENSUS, JUNE 30, 1956, BY AGE *

Age	Milw. City #	Cudahy †	South Milw. †	Wauwatosa †	West Allis †	West Milw. †	Other County †	Total
0	13,550	122	381	666	1,358	89	2,202	18,368
1	14,279	348	442	862	1,395	95	2,596	20,017
2	15,570	357	431	914	1,405	72	2,580	21,329
3	14,871	401	428	910	1,321	73	2,725	20,729
4	14,463	336	440	974	1,320	83	2,674	20,290
5	13,941	346	379	1,000	1,384	61	2,621	19,732
6	13,024	318	394	972	1,336	73	2,629	18,746
7	12,318	334	365	958	1,298	67	2,485	17,825
8	12,280	323	356	1,002	1,231	65	2,424	17,681
9	12,461	340	318	1,007	1,285	76	2,568	18,055
10	9,208	285	259	816	996	56	1,937	13,557
11	8,264	244	240	828	962	64	1,910	12,512
12	8,571	252	219	822	903	55	1,813	12,635
13	9,351	237	248	903	1,069	70	2,026	13,904
14	8,159	260	206	843	934	62	1,700	12,164
15	7,090	243	200	642	766	46	1,466	10,453
16	6,951	215	183	648	762	71	1,387	10,217
17	6,464	211	216	656	725	51	1,319	9,642
18	6,345	194	163	601	623	37	1,168	9,131
19	5,398	231	142	528	460	26	1,025	7,810
Total	212,558	5,597	6,010	16,552	21,533	1,292	41,255	304,797

* Age at last birthday prior to July 1; includes all persons whether enrolled or not enrolled in school.

\# From Milwaukee City Board of School Directors.

† From Office of Milwaukee County Superintendent of Schools.

TABLE XV

MILWAUKEE COUNTY SCHOOL CENSUS, JUNE 30, 1957, BY AGE*

Age	Milw. City #	Cudahy †	South Milw. †	Wauwatosa †	West Allis †	West Milw. †	Other County †	Total
0	14,238	392	479	690	1,442	Incl.	2,250	19,491
1	14,079	305	503	825	1,491	in	2,560	19,763
2	16,023	349	508	883	1,406	West Allis	2,815	21,984
3	15,075	398	494	930	1,384		2,788	21,069
4	14,281	355	467	928	1,304		2,784	20,119
5	14,282	366	476	978	1,397		2,793	20,292
6	13,271	342	443	994	1,633		2,665	19,348
7	12,729	328	422	1,004	1,982		2,612	19,077
8	12,310	342	403	981	1,858		2,477	18,371
9	11,587	323	388	1,023	1,931		2,396	17,648
10	12,510	337	341	1,032	1,999		2,528	18,747
11	8,846	243	271	830	1,496		1,927	13,613
12	8,576	256	253	843	1,385		1,892	13,205
13	8,278	239	228	858	1,305		1,701	12,609
14	9,305	265	257	898	1,297		1,955	13,977
15	8,014	269	212	840	1,068		1,637	12,040
16	7,383	214	198	638	877		1,375	10,685
17	6,268	192	186	637	875		1,319	9,477
18	6,649	202	203	651	891		1,198	9,794
19	5,690	177	127	548	689		1,055	8,286
Total	219,394	5,894	6,859	17,011	27,710		42,727	319,595

* Age at last birthday prior to July 1; includes all persons whether enrolled or not enrolled in school.

\# From Milwaukee City Board of School Directors.

† From Office of Milwaukee County Superintendent of Schools. West Milwaukee is included with West Allis beginning in 1957.

TABLE XVI

MILWAUKEE COUNTY SCHOOL CENSUS, JUNE 30, 1958, BY AGE*

Age	Milw. City #	Cudahy †	South Milw. †	Wauwatosa †	West Allis †	West Milw. †	Other County †	Total
0	14,547	153	475	617	1,461	Incl.	2,488	19,741
1	15,521	450	557	830	1,622	in	2,825	21,805
2	16,136	394	530	871	1,567	West	2,894	22,392
3	15,946	376	520	868	1,535	Allis	3,110	22,355
4	15,126	374	495	973	1,499		2,990	21,457
5	14,728	377	480	950	1,470		2,970	20,975
6	14,385	354	480	1,033	1,496		2,874	20,622
7	13,531	354	427	966	1,463		2,788	19,529
8	13,245	303	414	1,008	1,496		2,737	19,203
9	12,068	354	385	987	1,414		2,557	17,765
10	12,182	317	382	1,037	1,378		2,498	17,794
11	12,126	324	363	1,072	1,448		2,622	17,955
12	9,450	270	278	798	1,122		1,915	13,833
13	8,633	237	271	854	1,090		1,885	12,970
14	8,448	244	229	824	1,034		1,810	12,589
15	9,267	237	280	920	1,178		1,974	13,856
16	8,357	230	210	841	1,073		1,688	12,399
17	6,882	238	191	626	890		1,397	10,224
18	6,356	185	171	632	916		1,199	9,459
19	5,425	225	156	621	896		1,187	8,510
Total	232,359	5,996	7,294	17,328	26,048		46,408	335,433

* Age at last birthday prior to July 1; includes all persons whether enrolled or not enrolled in school.

\# From Milwaukee City Board of School Directors.

† From Office of Milwaukee County Superintendent of Schools. West Milwaukee is included with West Allis beginning in 1957.

TABLE XVII

CHANGE IN POPULATION BY AGE, MILWAUKEE COUNTY

Age	No. June 30, 1956	No. June 30, 1957	No. June 30, 1958	Per Cent Change One Age (year) to Next		Ave. Change
				1956 to 1957	1957 to 1958	
0	18,368	19,491	19,741			
1	20,017	19,763	21,805	107.59	111.87	109.73
2	21,329	21,984	22,392	109.83	113.30	111.56
3	20,729	21,069	22,355	98.78	101.69	100.24
4	20,290	20,119	21,457	97.06	101.84	99.45
5	19,732	20,292	20,975	100.01	104.25	102.13
6	18,746	19,348	20,622	98.05	101.63	99.84
7	17,825	19,077	19,529	101.77	100.94	101.36
8	17,681	18,371	19,203	103.06	100.66	101.86
9	18,055	17,648	17,765	99.81	96.70	98.26
10	13,557	18,747	17,794	103.83	100.83	102.33
11	12,512	13,613	17,955	100.41	95.78	98.10
12	12,635	13,205	13,833	105.54	101.62	103.58
13	13,904	12,609	12,970	99.79	98.22	99.00
14	12,164	13,977	12,589	100.53	99.84	100.18
15	10,453	12,040	13,856	98.98	99.13	99.06
16	10,217	10,685	12,399	102.22	102.98	102.60
17	9,642	9,477	10,224	92.76	95.69	94.22
18	9,131	9,794	9,459	101.58	99.81	100.70
19	7,810	8,286	8,510	90.75	86.89	88.82

TABLE XVIII

PROJECTION OF INDIVIDUALS AT EACH AGE, JUNE 30 OF EACH YEAR
MILWAUKEE COUNTY

Age	Actual 1958	Factor	Projected Number								
			1959	1960	1961	1962	1963	1964	1965	1966	1967
0	19,741										
1	21,805	109.73	21,622								
2	22,392	111.56	24,326	24,166							
3	22,355	100.24	22,446	24,384	24,224						
4	21,457	99.45	22,232	22,323	24,250	24,091					
5	20,975	102.13	21,914	22,706	22,798	24,767	24,604				
6	20,622	99.84	20,941	21,879	22,670	22,762	24,727	24,565			
7	19,529	101.36	20,902	21,226	22,177	22,978	23,072	25,063	24,899		
8	19,203	101.86	19,892	21,291	21,621	22,589	23,405	23,501	25,529	25,362	
9	17,765	98.26	18,869	19,546	20,921	21,245	22,196	22,998	23,092	25,085	24,921
10	17,794	102.33	18,179	19,309	20,001	21,408	21,740	22,713	23,534	23,630	25,669
11	17,955	98.10	17,456	17,833	18,942	19,621	21,001	21,327	22,281	23,087	23,181
12	13,833	103.58	18,598	18,081	18,471	19,620	20,323	21,753	22,091	23,079	23,914
13	12,970	99.00	13,695	18,412	17,900	18,286	19,424	20,120	21,535	21,870	22,848
14	12,589	100.18	12,993	13,720	18,445	17,932	18,319	19,459	20,156	21,574	21,909
15	13,856	99.06	12,471	12,871	13,591	18,272	17,763	18,147	19,276	19,967	21,371
16	12,399	102.60	14,216	12,795	13,206	13,944	18,747	18,225	18,619	19,777	20,486
17	10,224	94.22	11,682	13,394	12,055	12,443	13,138	17,663	17,172	17,543	18,634
18	9,459	100.70	10,296	11,764	13,488	12,139	12,530	13,230	17,787	17,292	17,666
19	8,510	88.82	8,401	9,145	10,449	11,980	10,782	11,129	11,751	15,798	15,359

TABLE XVIII (Continued)

PROJECTION OF INDIVIDUALS AT EACH AGE, JUNE 30 OF EACH YEAR
MILWAUKEE COUNTY

Age	Actual 1958	Factor	Projected Number									
			1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
0	19,741											
1	21,805	109.73										
2	22,392	111.56										
3	22,355	100.24										
4	21,457	99.45										
5	20,975	102.13										
6	20,622	99.84										
7	19,529	101.36										
8	19,203	101.86										
9	17,765	98.26										
10	17,794	102.33	25,502									
11	17,955	98.10	25,181	25,017								
12	13,833	103.58	24,011	26,082	25,913							
13	12,970	99.00	23,675	23,771	25,821	25,654						
14	12,589	100.18	22,889	23,718	23,814	25,867	25,700					
15	13,856	99.06	21,703	22,674	23,495	23,590	25,624	25,458				
16	12,399	102.60	21,927	22,267	23,264	24,106	24,203	26,290	26,120			
17	10,224	94.22	19,302	20,660	20,980	21,919	22,713	22,804	24,770	24,610		
18	9,459	100.70	18,764	19,437	20,805	21,127	22,072	22,872	22,964	24,943	24,782	
19	8,510	88.82	15,691	16,666	17,264	18,479	18,765	19,604	20,315	20,397	22,154	22,011

TABLE XIX

TRANSFORMATION OF AGE TABLES FROM JULY 1-JUNE 30 TO JANUARY 1-DECEMBER 31
MILWAUKEE COUNTY 17, 18, AND 19 YEAR OLDS
DETERMINATION OF WEIGHTED AGE POOL 17-19
AND PROJECTION OF UNIVERSITY OF WISCONSIN-MILWAUKEE NEW FRESHMEN

Year	Age in Years			Weighted 17-19 Age Pool†	New. Fresh. U.W.-Milw.		% New Fresh. Is of Age Pool	
	17	18	19					
1956	9,930	9,386	8,470	9,289	1,454		15.65	
1957	10,081	9,636	9,040	9,580	1,385		14.46	
1958	11,312	9,842	8,984	9,824	1,602		16.31	
					PROJECTION			
					A	B	A	B+
1959	12,949	10,989	9,348	10,890	1,776	1,826	16.31	16.77
1960	13,094	12,579	10,454	12,299	2,006	2,119	16.31	17.23
1961	12,630	12,772	11,968	12,641	2,062	2,236	16.31	17.69
1962	13,194	12,291	12,060	12,324	2,010	2,237	16.31	18.15
1963	15,942	12,834	11,656	12,890	2,102	2,399	16.31	18.61
1964	17,944	15,446	12,180	15,143	2,470	2,888	16.31	19.07
1965	17,896	17,480	14,769	17,105	2,790	3,341	16.31	19.53
1966	18,660	17,418	16,545	17,380	2,835	3,474	16.31	19.99
1967	19,560	18,150	16,512	18,010	2,937	3,683	16.31	20.45
1968	20,614	19,033	17,228	18,881	3,079	3,948	16.31	20.91
1969	21,464	20,048	18,052	19,855	3,238	4,243	16.31	21.37
1970	22,122	20,892	19,034	20,706	3,377	4,520	16.31	21.83
1971	23,012	21,523	19,803	21,377	3,487	4,765	16.31	22.29
1972	23,458	22,392	20,418	22,176	3,617	5,045	16.31	22.75
1973	24,547	22,838	21,238	22,726	3,707	5,275	16.31	23.21
1974	25,445	23,867	21,640	23,651	3,857	5,598	16.31	23.67
1975	24,910#	24,776	22,670	24,470	3,991	5,905	16.31	24.13

† Based upon composition of Sept. 1958 U.W.-Milwaukee new freshman class, i.e., 89.1% of the new freshmen were 17, 18, or 19 years of age; of these 7.50% were 17, 77.50% were 18, and 15.00% were 19 years of age.

+ Corrected for average increase in percentage of Milwaukee college new freshman students enrolled at Milwaukee State College and the University of Wisconsin (M.S.C.-U.W.) during the past five years (See Table IV). This average increase is .89; transformed to the age pool percentage this becomes .46.

Estimated from difference in births 1959 and 1958.

The Milwaukee County college age pool (Table XIX) is developed using the age distribution at the University of Wisconsin-Milwaukee, first semester 1958-59. This is a weighted age pool, for each year, consisting of 7.5 per cent 17 year olds, 77.5 per cent 18 year olds, and 15.0 per cent 19 year olds; this was the relative distribution of the 17, 18, and 19 year olds among the new freshmen at the U.W.-M. Of the new freshmen, 89.1 per cent were 17, 18, or 19 years of age.

The relationship between the Milwaukee County weighted 17-19 year old age pool and the new freshmen at the U.W.-M. was computed for the fall semester of the years 1956-57, 1957-58, and 1958-59 and two projections of new freshmen at the U.W.-M. are made (Table XIX). Both projections assume no increase in the relationship between the total new freshman enrollment in all Milwaukee colleges and the weighted 17, 18, and 19 year olds in Milwaukee County. This seems reasonable since there has been no general increase in this relationship during the past three years; this relationship was: 1956, 52.88 per cent; 1957, 48.10 per cent; and 1958, 51.21 per cent. The average of these three years is 50.73 per cent. One cannot assume that the fluctuation represents a real increase; the facts imply, however, that there will be variations in the relationship from year to year.

PROJECTION A assumes that the various Milwaukee colleges will continue to attract the same percentage of new freshmen among the total Milwaukee college new freshmen as is true at present.

PROJECTION B assumes that the University of Wisconsin-Milwaukee will attract a higher percentage of the total Milwaukee college new freshmen than is true at present. This seems reasonable since, during the past five years, the M.S.C.-U.W. has had an increasing percentage of the total new freshmen enrolled in the Milwaukee colleges; the average increase has been .89 per cent per year (See Table IV, p. 10).

The average increase is transformed to an average "age pool-new freshman" percentage increase factor through the proportion $\frac{.89}{31.84} = \frac{x}{16.31}$ where:

31.84 = the per cent of the total Milwaukee college new freshmen enrolled at the U.W.-M during the first semester 1958-59;

16.31 = the relationship between the Milwaukee County 17-19 age pool and the new freshman enrollment, first semester 1958-59; and

.89 = the average increase, over the last five years, in the per cent of the Milwaukee college new freshmen who were enrolled at the M.S.C.-U.W.

From this proportion, x = .46 is derived as a constant to be added consecutively by year to the per cent the U.W.-M. new freshman enrollment is of the weighted 17-19 age pool. The factor then becomes k + nx where k = 16.31 and n = the number of years since 1958.

It is interesting to note the effects of migration and/or mortality and/or under-reporting in the school census and/or over-reporting of births for Milwaukee County. As shown in Table XIX, the weighted 17-19 year olds for the years 1956, 1957, and 1958 based upon the Milwaukee County school census was 9,289, 9,580, and 9,824 respectively. For the same years, the comparably weighted 17-19 year olds based upon births in Milwaukee County 17, 18, and 19 years previously was 13,092, 13,045, and 13,646 respectively. These latter figures are higher and do not take into account the factors of migration, mortality, and home address of the mother at the time the child was born. The birth figures as reported are occurance figures, that is, births within Milwaukee County whether or not the mother was a resident of Milwaukee County. For the 1958 year, the occurance birth figure for Milwaukee County was 2,054 higher than the birth figure based upon the residence of mother; the occurance birth figure was 27,758.

Projection of Total Undergraduate Enrollment

The total undergraduate enrollment projection is based upon the projection of new freshmen and the retention rate from class to class at the University of Wisconsin-Milwaukee. The retention rate from 1950-51 through 1958-59 is shown in Table XX. The freshman class is based upon the new freshmen plus the other freshmen (continuing, advanced standing, and re-entry).

The best estimate of retention from class to class appears to be the average retention rate for the past three years; this is the period since the merger. Prior to that time, The University Extension Center was a freshman-sophomore center and students were expected to transfer to other institutions in order to complete their degrees. The average retention rate for the past three years was: other freshmen to new freshmen the previous year, 40.34 per cent; sophomores to total freshmen previous year, 67.43 per cent; juniors to total sophomores previous year, 59.00 per cent; seniors to total juniors previous year, 99.41 per cent; and specials to total classified enrollment for the year in question, 2.22 per cent.

TABLE XX

UNDERGRADUATE RETENTION RATE[+] FROM CLASS TO CLASS, ONE FIRST SEMESTER TO NEXT, THE UNIVERSITY OF WISCONSIN-MILWAUKEE[*]

Fall	Freshman				Sophomore		Junior		Senior		Total Class.	Specials		Total Enroll.
	New	Other[†]	Total	Other % of New	Enroll.	% of Fresh.	Enroll.	% of Soph.	Enroll.	% of Junior		Enroll.	% of Class.	
1950	1005	354	1359		875		432		405		3071	148	4.82	3219
1951	954	300	1254	29.85	784	57.69	357	40.80	419	96.99	2814	116	4.12	2930
1952	996	270	1266	28.30	709	56.54	352	44.90	349	97.76	2676	127	4.75	2803
1953	1039	291	1330	29.22	765	60.43	331	46.69	336	95.45	2762	92	3.33	2854
1954	1132	375	1507	36.09	838	63.01	398	52.03	383	115.71	3126	85	2.72	3211
1955	1427	462	1889	40.81	1009	66.95	490	58.47	433	108.79	3821	84	2.20	3905
1956	1454	541	1995	37.91	1278	67.65	623	61.74	479	97.76	4375	88	2.01	4463
1957	1385	525	1910	36.12	1375	68.92	748	58.53	601	96.47	4634	101	2.18	4735
1958	1602	651	2253	47.00	1255	65.71	780	56.73	778	104.01	5066	125	2.47	5191

[+] For other freshman, based upon new freshman one year earlier; for sophomore, on freshman one year earlier; for junior, on sophomore one year earlier; for senior, on junior one year earlier; and for specials, on total classified enrollment for year in question.

[*] Milwaukee State College and U.W. Extension, Milwaukee, prior to 1956-57.

[†] Continuing, advanced standing, and re-entry.

Note: Valid only for freshmen, sophomores, and seniors prior to 1956-57 since the U.W. Extension, Milwaukee, was only a two year center prior to this date and sophomores were expected to transfer to another institution for junior year work.

Projection A (Table XIX) is the basis for the projection of new freshmen for Table XXI. Projection B (Table XIX) is the basis for the projection of new freshmen for Table XXII. For the purposes of planning, the projection based upon Projection B should be used.

It is interesting to note the diagrammatic distributions of the projections as presented in Graphs IV-VI. Graph IV shows the differences between the freshman and the senior projections based upon Projection A and Projection B. Graph V points up the differences between the total enrollment when based upon the two projections. Graph VI demonstrates the distribution of projected enrollments by classes with Projection B as the basis.

Summary of Assumptions

For the purposes of projecting day enrollments for the University of Wisconsin-Milwaukee, the following assumptions have been made:

1. The drawing power of the University of Wisconsin-Milwaukee will be limited primarily to students within commuting distance.

2. The primary service area will continue to be Milwaukee County. It is noted that 82.5 per cent of the new freshmen and 63.9 per cent of the advanced standing students, first semester 1958-59, were residents of Milwaukee County.

3. The new freshman group will be made up of 17, 18, and 19 year olds in the same proportion as was true of the 1958 entering freshmen. Of these new freshmen, 89.1 per cent were 17, 18, or 19 years of age.

4. The Milwaukee County school census figures are reliable and valid.

5. The change in the number of individuals at each successive age will follow the average change from age to age, represented by the Milwaukee County school census, for the years 1956 to 1957 and 1957 to 1958.

6. Mortality and migration during the 1956 to 1958 period is representative of mortality and migration during the forecast period.

7. There will be no increase in the relationship between the total new freshman enrollment in all Milwaukee colleges and the weighted 17, 18, and 19 year olds in Milwaukee County. There has been no general increase in this relationship during the past three years.

8. The present academic programs at the University of Wisconsin-Milwaukee will attract students in about the same ratio as at present.

9. There will be no new major programs added. A Graduate School or professional schools will not be developed on the Milwaukee campus nor will the

TABLE XXI

PROJECTED FIRST SEMESTER ENROLLMENT, THE UNIVERSITY OF WISCONSIN-MILWAUKEE BASED UPON PROJECTION A* AND AVERAGE RETENTION RATE#

Fall	Fresh.	Soph.	Junior	Senior	Specials	Total
1959	2,426	1,519	740	775	120	5,580
1960	2,722	1,636	896	736	135	6,125
1961	2,871	1,835	965	891	149	6,710
1962	2,842	1,936	1,082	959	151	6,970
1963	2,912	1,916	1,142	1,076	154	7,200
1964	3,317	1,964	1,130	1,135	169	7,715
1965	3,786	2,237	1,159	1,123	185	8,490
1966	3,960	2,553	1,320	1,152	200	9,185
1967	4,081	2,670	1,506	1,312	211	9,780
1968	4,264	2,752	1,575	1,497	222	10,310
1969	4,480	2,875	1,624	1,566	235	10,780
1970	4,683	3,021	1,696	1,614	246	11,260
1971	4,849	3,158	1,782	1,686	255	11,730
1972	5,024	3,270	1,863	1,771	267	12,195
1973	5,166	3,388	1,929	1,852	275	12,610
1974	5,352	3,483	1,999	1,918	283	13,035
1975	5,547	3,609	2,055	1,987	292	13,490

* See Table XIX.

\# The best estimate is the average retention rate for the past three years; this is: other freshmen to new freshmen previous year (40.34%), sophomores to total freshmen previous year (67.43%), juniors to sophomores previous year (59.00%), seniors to juniors previous year (99.41%), and specials to total classified enrollment for year in question (2.22%).

TABLE XXII

PROJECTED FIRST SEMESTER ENROLLMENT, THE UNIVERSITY OF WISCONSIN-MILWAUKEE BASED UPON PROJECTION B* AND AVERAGE RETENTION RATE#

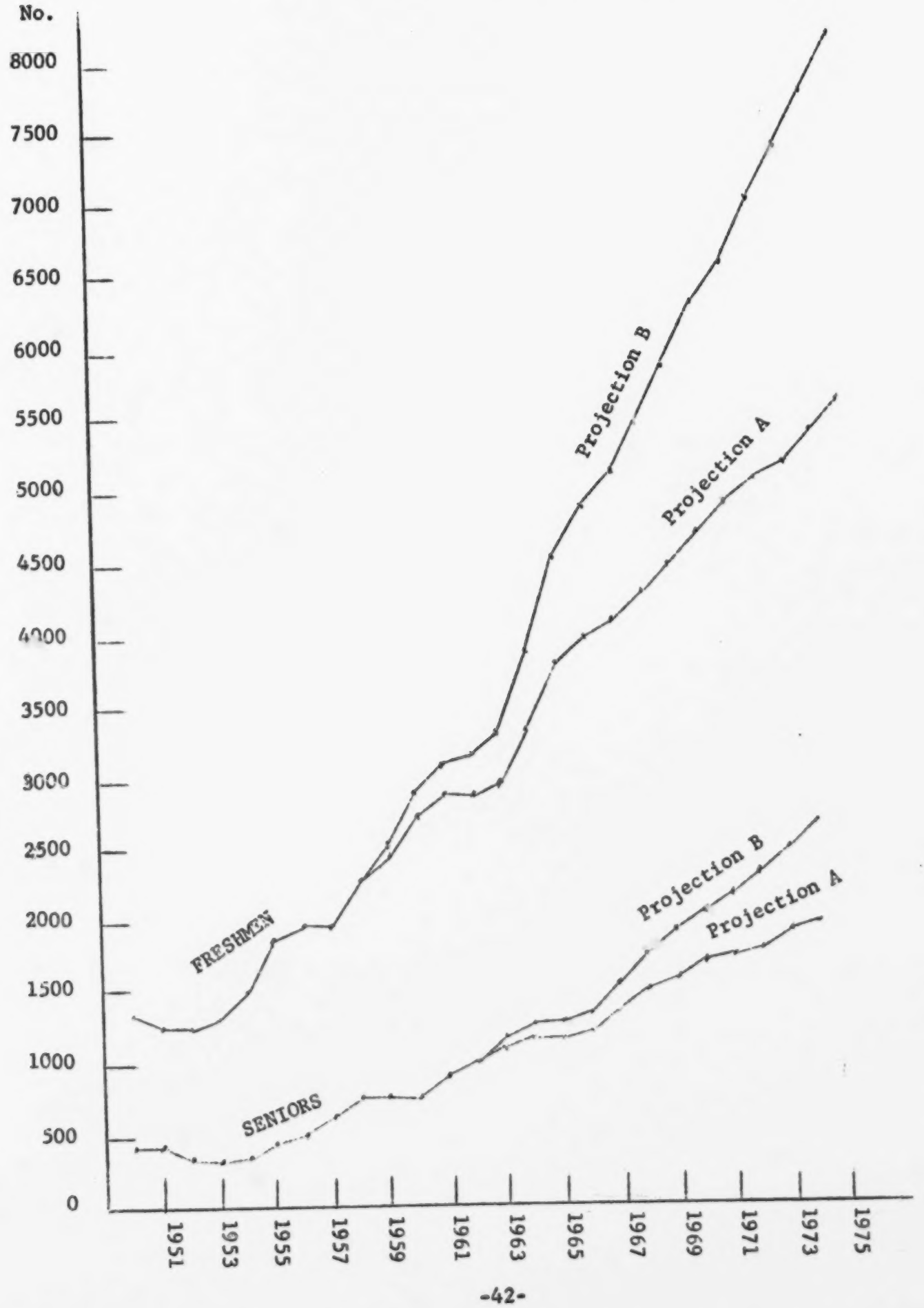
Fall	Fresh.	Soph.	Junior	Senior	Specials	Total
1959	2,471	1,519	740	775	120	5,625
1960	2,855	1,666	896	736	137	6,290
1961	3,091	1,925	983	891	150	7,040
1962	3,139	2,084	1,136	977	164	7,500
1963	3,301	2,117	1,230	1,129	173	7,950
1964	3,855	2,226	1,249	1,223	187	8,740
1965	4,506	2,599	1,313	1,242	215	9,875
1966	4,822	3,038	1,533	1,305	237	10,935
1967	5,084	3,251	1,792	1,524	259	11,910
1968	5,434	3,428	1,918	1,781	279	12,840
1969	5,836	3,664	2,023	1,907	295	13,725
1970	6,232	3,935	2,162	2,011	315	14,655
1971	6,588	4,202	2,322	2,149	339	15,600
1972	6,967	4,442	2,479	2,308	359	16,555
1973	7,310	4,698	2,621	2,464	377	17,470
1974	7,726	4,929	2,772	2,606	397	18,430
1975	8,163	5,210	2,908	2,756	423	19,460

* See Table XIX.

\# The best estimate is the average retention rate for the past three years; this is: other freshmen to new freshmen previous year (40.34%), sophomores to total freshmen previous year (67.43%), juniors to sophomores previous year (59.00%), seniors to juniors previous year (99.41%), and specials to total classified enrollment for year in question (2.22%).

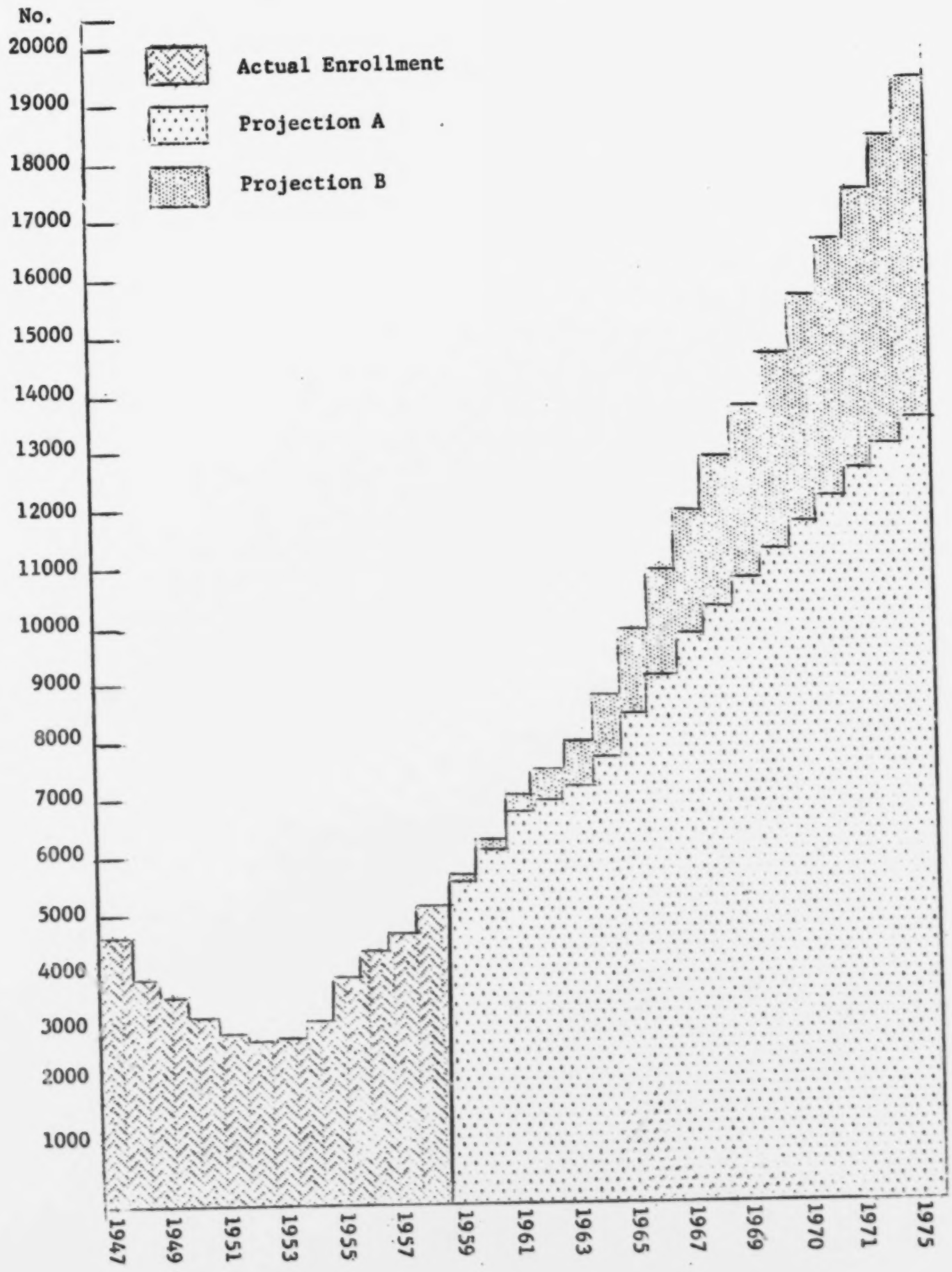
GRAPH IV

ENROLLMENT OF FRESHMEN AND SENIORS
THE UNIVERSITY OF WISCONSIN-MILWAUKEE
(ACTUAL 1950-1958; PROJECTED 1959-1975)



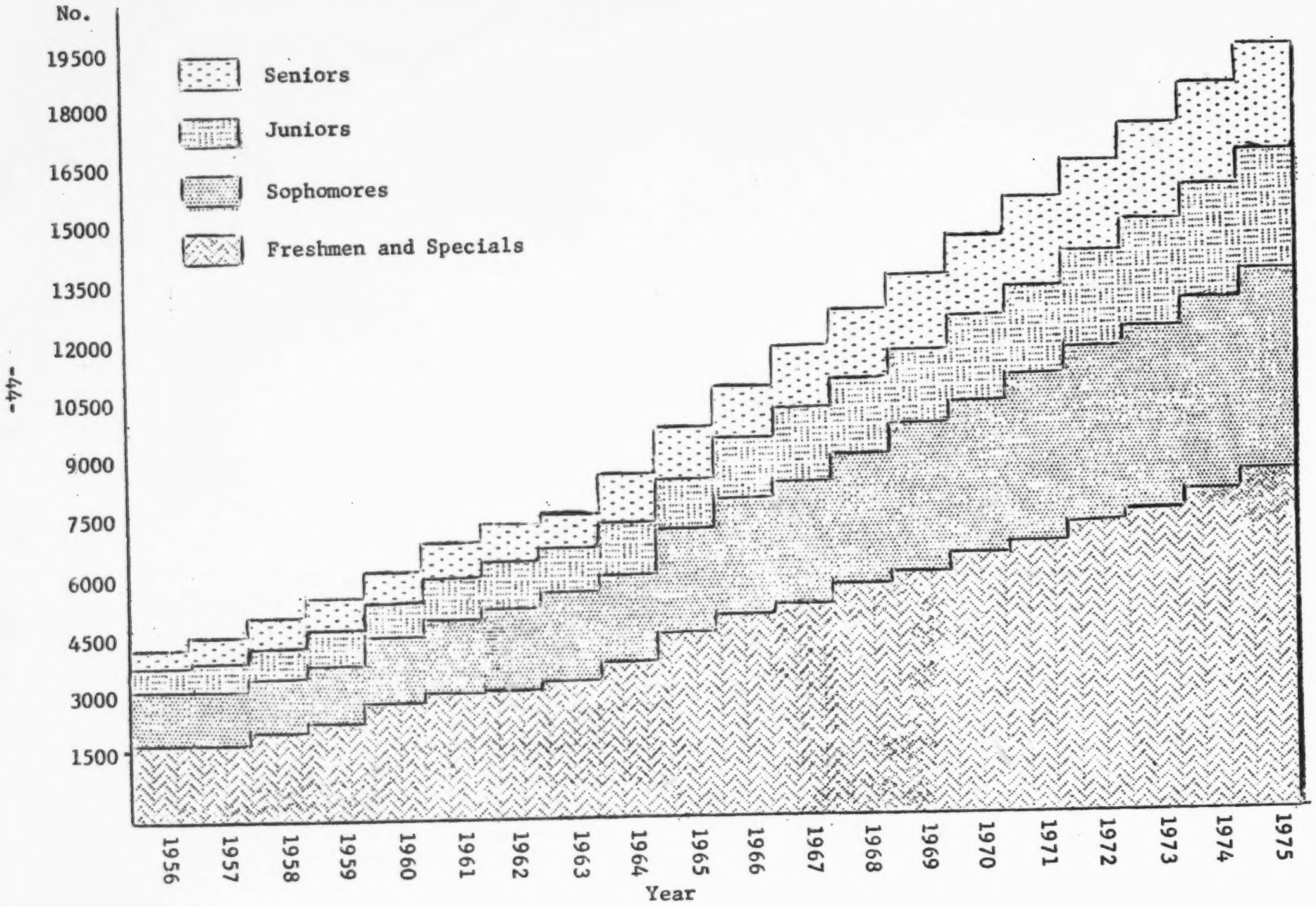
GRAPH V

FIRST SEMESTER DAY ENROLLMENT
THE UNIVERSITY OF WISCONSIN-MILWAUKEE
(ACTUAL 1947-1958; PROJECTED 1959-1975)



GRAPH VI

U.W.-M. ACTUAL ENROLLMENT 1956-1958; PROJECTED ENROLLMENT (PROJECTION B) 1959-1975



graduate students, taking work on the Milwaukee campus, generally take their courses during the hours of the regular day programs.

10. Graduate students and credit or non-credit evening students will be handled, as at present, through an extension of classroom use into late afternoon and evening.

11. Economic conditions in the Milwaukee area will remain substantially the same as at the present time.

12. There will be no substantial change in the proportion of Milwaukee County residents attending colleges outside of Milwaukee and the proportion of students, who are not Milwaukee County residents, attending Milwaukee colleges.

13. There will be no new colleges established which will affect the enrollment at the University of Wisconsin-Milwaukee.

14. There will be no major war or other major catastrophe.

15. Selective Service requirements and educational aid programs will continue on the same basis as at the present time.

16. Facilities and staff will be provided to meet the needs of the enlarged student body.

17. Academic and admissions requirements will not be changed substantially.

18. The retention rate from class to class at the University of Wisconsin-Milwaukee is represented best by the average retention rate for the past three years; this is the period since the merger.

19. The projections of new freshmen in this report are reliable and valid.

A. For minimum projection purposes, the various Milwaukee colleges will continue to attract the same percentage of new freshmen among the total Milwaukee college new freshmen as is true at present. This is highly unlikely. It is represented by Projection A of this report.

B. The total enrollment is represented best by a projection based upon the projection of new freshmen by the method of Projection B. This appears to be a realistic projection and one which might be used for purposes of campus building and site development and in educational planning. Projection B assumes that the University of Wisconsin-Milwaukee will attract a higher percentage of the total Milwaukee college new freshmen than is true at present. This is realistic since the M.S.C.-U.W. has had an increasing percentage, during the past five years, of the new freshmen attending Milwaukee colleges.

FULL-TIME EQUIVALENT DAY STUDENTS AND OTHER STUDENTS

This has been a projection of the number of undergraduate day students at the University of Wisconsin-Milwaukee for the forecast period of 1959 through 1975.

Equivalent Undergraduate Day Students

If the assumption is made that a full-time equivalent undergraduate student carries a program of 15 credits, the number of students can be estimated in terms of the number of 15 credit equivalent students. It is known that, for the undergraduate day students carrying 11 credits or less during the first semester 1958-59, the mean number of credits for freshmen was 8.07, for sophomores was 8.07, for juniors was 6.93, and for seniors was 7.28.

The total distribution by number of credits carried by all U.W.-M. undergraduate students, for the first semester 1958-59, is known also; the average number of credits carried was 14.83. Thus, the number of students would have to be reduced by 1.13 per cent, 100.00 - (14.83 ÷ 15.00), in order to arrive at full-time equivalent students if the variation between classes is disregarded.

On the basis of Projection B and disregarding class variations, the total projected full-time equivalent day students would be as shown in Table XXIII.

TABLE XXIII

FULL-TIME EQUIVALENT UNDERGRADUATE STUDENTS

Year	No.	Year	No.
1959	5,561	1968	12,695
1960	6,219	1969	13,570
1961	6,960	1970	14,489
1962	7,415	1971	15,424
1963	7,860	1972	16,368
1964	8,641	1973	17,273
1965	9,763	1974	18,222
1966	10,811	1975	19,240
1967	11,775		

Graduate Students

Graduate students taking course work on the Milwaukee campus are registered in the Graduate School at Madison. Though the jurisdiction is at Madison, these students add to the class load and need for instructional space at Milwaukee. It is recognized that most of the instruction is in the so-called evening program. The assumption could be made, therefore, that these students could be accommodated, generally, by the same instructional space as is used for the day students merely by the continuation of the extension of classroom use into the evening hours; however, for many graduate programs the type of space needed varies from the type of space needed for undergraduate programs.

The enrollment of graduate students, for the past four years, is presented in Table XXIV. No attempt is made to project graduate enrollments in this report. This should be done at a later date and on the basis of assumptions relative to the graduate programs anticipated in Milwaukee in the future.

TABLE XXIV

GRADUATE STUDENTS IN ATTENDANCE AT THE UNIVERSITY OF WISCONSIN-MILWAUKEE

Fall	No.*	Approx. Full-Time Equiv.†
1955	455#	152
1956	360	158
1957	548	241
1958	679	299

* This count is higher than that of the Madison campus enrollment report since the count was made at a later date and not all groups of Milwaukee graduate students were counted at Madison until 1957-58.

† Under the assumption that a full-time graduate student carries nine credits; the mean number of credits carried by graduate students on the Madison campus, first semester 1958-59, was 8.89. The mean number of credits carried by graduate students at Milwaukee, first semester 1958-59, was 3.96.

\# Registrations. It is assumed that the average registration was for three credits.

Evening Credit and Non-Credit Students

This report will merely give the number of students registered and registrations, including graduate students, in the evening division excluding day students taking classes in the evening division. A tabulation of evening

division students, exclusive of day students, is made in Table XXV. In converting to full-time equivalent students, the credit distribution of the first semester 1958-59 is used for credit students; the average number of credits carried by undergraduate students was 4.18 and by graduate students was 3.96. There were 1,385 undergraduate students and 702 graduate students. A rough estimate of the number of equivalent full-time credit students can be derived by computing the weighted percentage of a total credit load each student carries according to the following first semester 1958-59 computation:

$$\frac{(702)\ (3.96) \div 9 + (1385)\ (4.18) \div 15}{2087} = x; \quad x = 33.29$$

where: 702 = no. of graduate students. This is higher than the 679 reported earlier; both figures are used for consistency from year to year.
3.96 = ave. credit load of graduate students.
9.00 = full-time equivalent graduate student credit load.
1385 = no. of undergraduate students.
4.18 = ave. credit load of undergraduate students.
15.00 = full-time equivalent undergraduate student credit load.
2087 = total evening division students (grad. + undergrad.)

It is assumed that the non-credit students carry an equivalent of 3.0 credits per student.

A complete analysis of the evening program and estimates of these future enrollments should be made. This is not a function of this report.

TABLE XXV

EVENING DIVISION ENROLLMENT AND REGISTRATIONS
OF GRADUATE AND UNDERGRADUATE STUDENTS

Fall	Credit		Non-Credit		Full-Time Equiv. Students*
	Enroll.	Regis.	Enroll.	Regis.	
1954#	1,057	1,271	1,787	2,175	709
1955#	1,200	1,346	1,956	2,376	791
1956	1,714	2,115	1,979	2,378	966
1957	1,980	2,280	1,652	1,945	990
1958	2,087	2,856*	†	†	†

* Estimate. # Prior to merger. † Not available at this time.